AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of combining at least two received signals (A, A') of a telecommunication system comprising:

processing ~~wherein~~ a first combining algorithm (B1) ~~is processed~~ for providing a resulting signal (S1), ~~characterized in that~~ and a second, differing combining algorithm (B2) ~~is processed~~ for providing a second resulting signal (S2); and

combining ~~, and that~~ the two resulting signals (S1 and S2), ~~are combined,~~ wherein the combination depends~~is depending~~ on the two resulting signals (S1, S2).

2. (currently amended): The method of claim 1, wherein a ~~characterized in that the~~ quality of the two resulting signals (S1, S2) is estimated.

3. (currently amended): The method of claim 2, ~~characterized in that~~wherein the estimated quality of the two resulting signals (S1, S2) is used to weight the combination of the two resulting signals (S1 and S2).

4. (original): The method of one of claims 1 to 3, wherein one of the two algorithms (B1) is a temporal reference algorithm and the other one of the two algorithms (B2) is a spatial reference algorithm.

5. (currently amended): The method of one of claims 1 to 4, wherein more than two, differing algorithms (B1, B2) are used.

6. (currently amended): A receiver of a telecommunication system for combining at least two received signals (A, A') comprising:~~wherein~~

a first combining algorithm (B1) ~~is processed~~ for providing a resulting signal (S1), and ~~characterized in that~~ a second, differing combining algorithm (B2) ~~is processed~~ for providing a second resulting signal (S2);~~,~~ and ~~that~~

means ~~are provided~~ for combining the two resulting signals (S1 and S2), wherein the combination depends on the two resulting signals (S1, S2).

7. (new): A method of combining a plurality of received signals of a telecommunication system comprising:

receiving the plurality of signals;

determining the condition of the signals;

selecting from a plurality of differing algorithms, one or more algorithms to process the plurality of the signals, based on the condition of the signals; and

combining the processed signals.

8. (new): A method of combining a plurality of received signals of a telecommunication system comprising:

receiving the plurality of signals;

determining the condition of the signals;

processing the plurality of signals with a plurality of algorithms based on the condition of the signals; and

selecting one of the processed signals as a representative resulting signal.

9. (new): A receiver of a telecommunication system for combining a plurality of signals, comprising:

a plurality of differing algorithms;

a selector operable to select one or more of the differing algorithms to process the plurality of the signals, based on the condition of the signals; and

means for combining the processed signals or selecting one of the processed signals as a representative signal.